Application No.	Applicant(s)	
10/766,291	HARRAND ET AL.	
Examiner	Art Unit	
TRONG PHAN	2827	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to 10/27/06.		
2. The allowed claim(s) is/are <u>1-11,13-25 and 27-42</u> .		
3.		
	(PTO-413), e <u>1106</u> .	
	Examiner TRONG PHAN rs on the cover sheet with the coording REMAINS) CLOSED in this appropriate communication is subject to and MPEP 1308. er 35 U.S.C. § 119(a)-(d) or (f). Deen received. Deen received in Application No Imments have been received in this in this communication. ed. Note the attached EXAMINER' reason(s) why the oath or declarate be submitted. In's Patent Drawing Review (PTO-IMMENTALE PATENTALE) Amendment / Comment or in the Communication on the drawing reader according to 37 CFR 1.121(a) to f BIOLOGICAL MATERIAL in DR THE DEPOSIT OF BIOLOGICAL MATERIAL IN DR THE	

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Andre M. Szuwalski, Reg. 35,701 on 10/27/06.

The application has been amended as follows:

Claim 13, lines 1-5, the phrase "A process for refreshing a dynamic random access memory comprising: continuously and dynamically measuring the retention time of all the memory cells of the memory; and regulating the refresh period of the memory based on the result of this measurement;" has been changed to --- The process according to Claim 1, ---.

Claim 27, lines 1-6, the phrase "A dynamic random access memory comprising: a dynamic random access memory; and a memory refresh circuit that operates to continuously and dynamically measure the retention time of all the memory cells of the memory; and to regulate the refresh period of the memory based on the result of this measurement;" has been changed to —— The device according to Claim 15 ——

All the above changes have been made in order to place the case in condition for allowance.

The following is an examiner's statement of reasons for allowance:
 The feature of "tagging the cells of the memory having a lower retention

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time as measured in the course of a measurement cycle and wherein regulating the refresh period of the memory cell comprises setting the refresh period in the course of a next measurement cycle of the tagged cells to be refresh more often than non-tagged cells of the memory" included in a process for refreshing a dynamic random access memory as specifically recited in combination in claims 1, 13-15 and 27-29 is the novelty of the claimed invention over prior art.

A process for refreshing a dynamic random access memory comprising all steps and desired function as specifically recited in combination in claims 2-11 is novelty over prior art.

A dynamic random access memory comprising all elements and desired functions as specifically recited in combination in claims 16-25 is novelty over prior art.

A process for dynamically adjusting the refresh rate of a dynamic random access memory array comprising all steps and desired functions as specifically recited in combination in claims 30-37 is novelty over prior art.

A process for selectively adjusting the refresh rate of a dynamic random access memory array comprising all steps and desired functions as specifically recited in combination in claims 38-44 is novelty over prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TRONG PHAN whose telephone number is (571) 272-1794. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, AMIR ZARABIAN can be reached on (571)272-1852. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TRONG PHAN
PRIMARY EXAMINER

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